Table A1. Polynomial coefficients δ_k's for ϕ.

δ_k	$c = 2, K = 6$	$c = 1.5, K = 6$	$c = 2, K = 3$	$c = 1.5, K = 3$
δ_{38}	−0.000036133231311	–	–	–
δ_{37}	0.000027431424929	–	–	–
δ_{36}	0.000331339031581	–	–	–
δ_{35}	−0.000234668291557	–	–	–
δ_{34}	−0.001396027154939	–	–	–
δ_{33}	0.000916413320840	–	–	–
δ_{32}	0.003581825384835	–	–	–
δ_{31}	−0.002162764235051	–	–	–
δ_{30}	−0.006253147831944	–	–	–
δ_{29}	0.003441695028803	−0.000000069910102	–	–
δ_{28}	0.007861787452553	0.000009440083978	–	–
δ_{27}	−0.003901100279692	0.000000485373669	–	–
δ_{26}	−0.007348431684828	−0.000130542860824	–	–
δ_{25}	0.003242885102767	−0.000001511196733	–	–
δ_{24}	0.005197199182402	0.001007181146599	–	–
δ_{23}	−0.002004818051995	0.000002786045376	–	–
δ_{22}	−0.002799941184903	−0.005861791424619	−0.0000000	–
δ_{21}	0.000924367333247	−0.000003382240723	−0.0000000	−0.0000000
δ_{20}	0.001108509166428	0.028542361926637	0.0000002	−0.0796467
δ_{19}	−0.000315531427948	0.000002843935263	0.0000000	0.0000000
δ_{18}	0.000022538097428	−0.119965156296017	−0.0000012	0.2403602
δ_{17}	0.000078226257245	−0.000001695763776	−0.0000000	0.0000000
δ_{16}	−0.002611590196869	0.436044809334474	0.0000028	−0.4063077
δ_{15}	−0.000013580764606	0.000000721634603	0.0000000	0.0000000
δ_{14}	0.016258902472516	−1.357516364933031	0.0000276	0.3454585
δ_{13}	0.000001540084659	−0.000000217506622	−0.0000000	−0.0000000
δ_{12}	−0.083180834403607	3.564588400278597	−0.0004907	0.3247674
δ_{11}	−0.000000097319106	0.000000045421100	0.0000000	0.0000000
δ_{10}	0.352708417507330	−7.731821324183906	0.0048319	−2.8384612
δ_9	0.000000001729655	−0.000000006311966	−0.0000000	−0.0000000
δ_8	−1.205895872832613	13.464987789472458	−0.0353562	10.9901485
δ_7	0.000000000082329	0.000000000545447	−0.0000000	0.0000000
δ_6	3.190885437184177	−18.069347531398041	0.1932708	−30.8373718
δ_5	0.000000000006335	−0.000000000026086	0.0000000	−0.0000000
δ_4	−6.125383620022527	17.513523641932530	−0.7444088	60.5019379
δ_3	−0.000000000000871	0.000000000000553	−0.0000000	0.0000000
δ_2	7.581967204609319	−10.896373263737980	1.7958100	−73.7485123
δ_1	0.000000000000018	−0.000000000000003	0.0000000	−0.0000000
δ_0	−4.538305067483899	3.263548456418927	−2.0342646	41.8531532

Table A2. Polynomial coefficients λ_k's for $\hat{\phi}$.

λ_k	$c = 2, K = 6$	$c = 1.5, K = 6$	$c = 2, K = 3$	$c = 1.5, K = 3$
λ_{38}	−0.000001129163478	–	–	–
λ_{37}	0.000003165164415	–	–	–
λ_{36}	0.000007321870199	–	–	–
λ_{35}	−0.000027220682469	–	–	–
λ_{34}	−0.000015646508843	–	–	–
λ_{33}	0.000106469005835	–	–	–
λ_{32}	−0.000008371029749	–	–	–
λ_{31}	−0.000251483307759	–	–	–
λ_{30}	0.000139522082968	–	–	–
λ_{29}	0.000398054756073	0.000003492736408	–	–
λ_{28}	−0.000527575162925	0.000003081779861	–	–
λ_{27}	−0.000365407775081	−0.000046616298327	–	–
λ_{26}	0.001728505313358	−0.000024404893476	–	–
λ_{25}	−0.000634718329590	0.000336368565843	–	–
λ_{24}	−0.005604841924036	0.000029917631213	–	–
λ_{23}	0.006674098430928	−0.001743668848001	–	–
λ_{22}	0.015620491928147	0.000708500840991	0.0000004	−0.0000253
λ_{21}	−0.033402006733755	0.007014620685846	0.0000255	−0.0000762
λ_{20}	−0.029140004798537	−0.006799748741222	−0.0000180	0.0003914
λ_{19}	0.121571525882699	−0.021529321749036	−0.0002933	0.0008915
λ_{18}	0.002106046258864	0.036549468510434	0.0002667	−0.0037139
λ_{17}	−0.326126189288748	0.044521193572278	0.0018570	−0.0055335
λ_{16}	0.222001162358188	−0.136492248521661	−0.0024074	0.0272322
λ_{15}	0.591418614354732	−0.028033899249125	−0.0082246	0.0207074
λ_{14}	−0.900507059587342	0.359670808810277	0.0153446	−0.1585527
λ_{13}	−0.483641444241807	−0.191853263665985	0.0251477	−0.0185389
λ_{12}	1.971163139788472	−0.610117205155395	−0.0712500	0.7109592
λ_{11}	−0.742149540285898	0.818503581238404	−0.0397557	−0.3343840
λ_{10}	−2.302724830365524	0.415726049485544	0.2345963	−2.2955172
λ_9	2.835300601791355	−1.576607081592846	−0.0511258	2.4675038
λ_8	0.362224899588647	0.699211693344845	−0.4985554	4.5852213
λ_7	−3.232336104716730	1.307219314857228	0.4560242	−8.8697586
λ_6	2.447888731409964	−1.821356733059523	0.5017390	−2.7750943
λ_5	0.345397722277477	0.408485365962472	−1.0330520	16.7860928
λ_4	−1.889371969742727	0.988620821433048	0.2431523	−9.2803392
λ_3	1.538300766008014	−1.134132506968317	0.7612755	−10.6240940
λ_2	−0.648645858694633	0.577470961644376	−0.8331586	16.6786194
λ_1	0.147993512467234	−0.152296947615356	0.3566283	−8.4902296
λ_0	−0.014562948397935	0.016958405256447	−0.0582167	1.5782866